	sion Formulas	Result
ATB-X100		Effective against
8%	Triton X-100	enveloped viruses, all
8%	Tributyl Phosphate	Gram positive bacteria, all Gram negative bacteria and fungi
64%	Soybean Oil	
1%	CPC	
19%	DiH2O	
ATB-T60		Slightly less effective than
5%	Tween 60	ATB-X100;
8%	Tributyl Phosphate	
64%	Sovbean Oil	Effective against
1%	CPC	enveloped viruses, all
22%	DiH2O	Gram positive bacteria, all
2270		Gram negative bacteria and fungi
ATB-XT160	Tween 60	Effective against enveloped viruses, all
0.71% 8% 8% 64% 1% 18.29%	Triton X-100 Tributyl Phosphate Soybean Oil CPC DiH2O	Gram positive bacteria, all Gram negative bacteria and fungi
8% 8% 64% 1% 18.29%	Triton X-100 Tributyl Phosphate Soybean Oil CPC	Gram positive bacteria, all Gram negative bacteria
8% 8% 64% 1%	Triton X-100 Tributyl Phosphate Soybean Oil CPC	Gram positive bacteria, all Gram negative bacteria and fungi Effective against enveloped viruses, all
8% 8% 64% 1% 18.29% ATB-X	Triton X-100 Tributyl Phosphate Soybean Oil CPC DiH2O Triton X-100	Gram positive bacteria, all Gram negative bacteria and fungi Effective against enveloped viruses, all Gram positive bacteria, all
8% 8% 64% 1% 18.29%	Triton X-100 Tributyl Phosphate Soybean Oil CPC DiH2O	Gram positive bacteria, all Gram negative bacteria and fungi Effective against enveloped viruses, all Gram positive bacteria, all Gram negative bacteria
8% 8% 64% 1% 18.29% ATB-X 5%	Triton X-100 Tributyl Phosphate Soybean Oil CPC DiH2O Triton X-100 Tributyl Phosphate	Gram positive bacteria, all Gram negative bacteria and fungi Effective against enveloped viruses, all Gram positive bacteria, all

ATB-X1001		D	
8%	Triton X-100	Effective against	
		enveloped viruses, all Gram positive bacteria, all Gram negative bacteria	
8%	Tributyl Phosphate		
50%	Soybean Oil		
1%	CPC	and fungi	
33%	DiH2O		
ATB-X1002		Effective against	
8%	Triton X-100	enveloped viruses, all	
8%	Tributyl Phosphate	Gram positive bacteria, all	
50%	Sovbean Oil	Gram negative bacteria	
2%	CPC	and fungi;	
32%	DiH2O	more irritating than ATB-X100.	
ATB-2		Effective against	
0.1%	Peppermint Oil	enveloped viruses, all	
8%	Triton X-100	Gram positive bacteria, all	
8%	Tributyl Phosphate	Gram positive bacteria, all Gram negative bacteria and fungi	
64%	Soybean Oil		
2%	CPC		
17.9%	DiH2O	-	
Amp copp		200	
ATB-CPB	15	Effective against	
0.1%	Peppermint Oil	enveloped viruses, all	
8%	Triton X-100	Gram positive bacteria, all	
8%	Tributyl Phosphate	Gram negative bacteria	
64%	Soybean Oil		
1%	CPB		
18.9%	DiH2O		
ATB-1/2		Effective against	
0.05%	Peppermint Oil	enveloped viruses, all	
4%	Triton X-100	Gram positive bacteria, all	
4%	Tributyl Phosphate	Gram negative bacteria	
32%	Soybean Oil	and fungi, demonstrates	
0.5%	CPC	that dilution doesn't	
59.45%	DiH2O	effective efficacy of ATB- X100	

ATB-T3 3% 8% 64% 1% 0.1% 23.9%	Tyloxapol Tributyl Phosphate Soybean Oil CPC Peppermint Oil DiH2O	Effective against enveloped viruses, all Gram positive bacteria, all Gram negative bacteria and fungi
ATB-T3E pH7.1		
3%	Tyloxapol	Effective against, all Gram
8%	Ethanol	positive bacteria, all Gram
64%	Soybean Oil	negative bacteria and
1%	CPC	spores
0.1%	Peppermint Oil	
23.8%	DiH2O	1
0.1%	10N NaOH	-
ATB-T22 2% 2% 8% 64% 1%	Triton X-100 Tyloxapol Tributyl Phosphate Soybean Oil CPC	Effective against enveloped viruses, all Gram positive bacteria, all Gram negative bacteria and fungi; stable despite lower
2% 2% 8% 64%	Tyloxapol Tributyl Phosphate Soybean Oil	enveloped viruses, all Gram positive bacteria, all Gram negative bacteria and fungi;
2% 2% 8% 64% 1%	Tyloxapol Tributyl Phosphate Soybean Oil CPC	enveloped viruses, all Gram positive bacteria, all Gram negative bacteria and fungi; stable despite lower
2% 2% 8% 64% 1% 0.1% 22.9%	Tyloxapol Tributyl Phosphate Soybean Oil CPC Peppermint Oil	enveloped viruses, all Gram positive bacteria, all Gram negative bacteria and fungi; stable despite lower amount of detergent
2% 2% 8% 64% 1% 0.1%	Tyloxapol Tributyl Phosphate Soybean Oil CPC Peppermint Oil	enveloped viruses, all Gram positive bacteria, all Gram negative bacteria and fungi; stable despite lower
2% 2% 8% 64% 1% 0.19% 22.9%	Tyloxapol Tributyl Phosphate Soybean Oil CPC Peppermint Oil DiH2O Triton X-100	enveloped viruses, all Gram positive bacteria, all Gram negative bacteria and fungi; stable despite lower amount of detergent Effective against enveloped viruses, all
2% 2% 8% 64% 11% 0.1% 22.9% ATB-1X	Tyloxapol Tributyl Phosphate Soybean Oil CPC Peppermint Oil DiH2O Triton X-100 Tributyl Phosphate	enveloped viruses, all Gram positive bacteria, all Gram negative bacteria and fungi; stable despite lower amount of detergent Effective against enveloped viruses, all Gram positive bacteria, all Gram negative bacteria,
2% 2% 2% 8% 64% 11% 0.1% 22.9% ATB-1X 8%	Tyloxapol Tributyl Phosphate Soybean Oil CPC Peppermint Oil DiH2O Triton X-100	enveloped viruses, all Gram positive bacteria, all Gram agative bacteria and fungi; stable despite lower amount of detergent Effective against enveloped viruses, all Gram positive bacteria, all
2% 2% 8% 64% 11% 0.11% 22.9% ATB-1X 8% 64%	Tyloxapol Tributyl Phosphate Soybean Oil CPC Peppermint Oil DiH2O Triton X-100 Tributyl Phosphate Soybean Oil	enveloped viruses, all Gram positive bacteria, all Gram negative bacteria and fungi; stable despite lower amount of detergent Effective against enveloped viruses, all Gram positive bacteria, all Gram negative bacteria,
2% 2% 2% 8% 64% 11% 22.5% ATB-1X 8% 8% 64%	Tyloxapol Tributyl Phosphate Soybean Oil CPC Peppermint Oil DiH2O Triton X-100 Tributyl Phosphate Soybean Oil CPC	enveloped viruses, all Gram positive bacteria, all Gram negative bacteria and fungi; stable despite lower amount of detergent Effective against enveloped viruses, all Gram positive bacteria, all Gram negative bacteria,
2% 2% 2% 8% 64% 11% 0.1% 22.9% ATB-1X 8% 8% 64% 11% 0.19%	Tyloxapol Tributyl Phosphate Soybean Oil CPC Peppermint Oil DiH2O Triton X-100 Tributyl Phosphate Soybean Oil CPC Peppermint Oil	enveloped viruses, all Gram positive bacteria, all Gram negative bacteria and fungi; stable despite lower amount of detergent Effective against enveloped viruses, all Gram positive bacteria, all Gram negative bacteria,
2% 2% 8% 64% 11% 0.11% 22.9% ATB-1X 8% 64% 11% 0.11% 5 mM	Tyloxapol Tributyl Phosphate Soybean Oil CPC Peppermint Oil DiH2O Triton X-100 Tributyl Phosphate Soybean Oil CPC Peppermint Oil Inosine L-Alanine Ammonium Chloride	enveloped viruses, all Gram positive bacteria, all Gram negative bacteria and fungi; stable despite lower amount of detergent Effective against enveloped viruses, all Gram positive bacteria, all Gram negative bacteria,
2% 2% 8% 64% 11% 0.11% 22.9% ATB-1X 8% 8% 64% 11% 0.19% 5 mM 5 mM 10 mM 1 mM	Tyloxapol Tributyl Phosphate Soybean Oil CPC Peppermint Oil DiH2O Triton X-100 Tributyl Phosphate Soybean Oil CPC Peppermint Oil Inosine L-Alanine Ammonium Chloride Sodium Phosphate	enveloped viruses, all Gram positive bacteria, all Gram negative bacteria and fungi; stable despite lower amount of detergent Effective against enveloped viruses, all Gram positive bacteria, all Gram negative bacteria,
2% 2% 2% 8% 64% 11% 0.1% 22.9% ATB-1X 8% 8% 64% 1% 0.19% 5 mM 5 mM 10 mM	Tyloxapol Tributyl Phosphate Soybean Oil CPC Peppermint Oil DiH2O Triton X-100 Tributyl Phosphate Soybean Oil CPC Peppermint Oil Inosine L-Alanine Ammonium Chloride	enveloped viruses, all Gram positive bacteria, all Gram negative bacteria and fungi; stable despite lower amount of detergent Effective against enveloped viruses, all Gram positive bacteria, all Gram negative bacteria,

TB-T22/GE		Effective against
2%	Triton X-100	enveloped viruses, all
2%	Tyloxapol	Gram positive bacteria,
8%	Tributyl Phosphate	Gram negative bacteria, and bacterial spores
64%	Soybean Oil	
1%	CPC	
0.1%	Peppermint Oil	
5 mM	Inosine	
5 mM	L-Alanine	
10 mM	Ammonium Chloride	
1 mM	Sodium Phosphate	
13 mM	Sodium Chloride	1
22.9%	DiH2O	1
00% ATB-T22/GE		Effective against
1.8%	Triton X-100	enveloped viruses, Gram
1.8%	Tyloxapol	negative bacteria, all Gram
7.2%	Tributyl Phosphate	positive bacteria, and
57.6%	Soybean Oil	bacterial spores;
0.9%	CPC	liquid enough to spray
0.09%	Peppermint Oil	
5 mM	Inosine	
5 mM	L-Alanine	
10 mM	Ammonium Chloride	
1 mM	Sodium Phosphate	
13 mM	Sodium Chloride	
30.61%	DiH2O	
ATB-T22E		Effective against
2%	Triton X-100	enveloped viruses, all
2%	Tyloxapol	Gram positive bacteria, all Gram negative bacteria and fungi; Increased safety for oral
8%	Ethanol (200 Proof)	
64%	Soybean Oil	
1%	CPC	uptake
0.1%	Peppermint Oil	uptake
22.9%	DiH2O	

90% ATB-T22E/GE		Effective against
1.8%	Triton X-100	enveloped viruses, all Gram positive bacteria, all
1.8%	Tyloxapol	
7.2%	Ethanol (200 Proof)	Gram negative bacteria
57.6%	Soybean Oil	and fungi; Increased safety for oral uptake
0.9%	CPC	
0.09%	Peppermint Oil	
5 mM	Inosine	
5 mM	L-Alanine	
10 mM	Ammonium Chloride	7 1
1 mM	Sodium Phosphate	7
13 mM	Sodium Chloride	7
30.61%	DiH2O	
30.0170		
ATB-T3E 3% 8% 64% 1% 0.1% 23.9%	Tyloxapol Ethanol Soybean Oil CPC Peppermint Oil DiH2O	Effective against all Gram positive bacteria, all Gram negative bacteria; Increased safety for oral uptake
ATB-X100E	Triton X-100	
8%	Ethanol	
8%		
64%	Soybean Oil CPC	
1%		
19%	DiH2O	
ATB Tween 20 B		Effective against all Gram
5%	Tween 20	negative bacteria.
1%	CPC	
64%	Soybean Oil	
8%	Ethanol	
22%	DiH2O	

FIG. 29 (CONT)